

O. H. M. S.

W. J. Gerald
Deputy Minister.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA
BULLETIN No. 128
COMMON SALT

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 128

COMMON SALT

OTTAWA, October 25, 1906.

W. J. GERALD, Esq.,
Deputy Minister of Inland Revenue.

SIR,—In accordance with your authorisation of August 14 last, a collection of table and dairy salt samples was made in August and September last, the number and the localities where collected being as follows :—

Inspection Districts.	No. of Samples.
Nova Scotia.....	5
Prince Edward Island..	2
New Brunswick.....	5
Quebec.....	8
St. Hyacinthe.....	8
Montreal.....	10
Ottawa.....	8
Kingston.....	8
Toronto.....	10
London.....	8
Manitoba.....	6
Calgary.....	4
British Columbia.....	5
Total.....	87

The origin of these samples and the results they yielded on analysis to Mr. J. G. A. Valin, Assistant Analyst, are given in the table appended to this report. The percentage of chloride of sodium contained in them varies from 93 to 98, with corresponding differences as regards the quantities of moisture and impurities present. It is probably inadmissible to call the latter adulterations, the limits of variability for salt not having been yet established in Canada. In the United States a standard was

adopted on June 26, 1906, by circular No. 19 from the office of the Secretary of Agriculture, which reads as follows:—

'Table salt, dairy salt, is fine grained crystalline salt, containing, on a water free basis, not more than one and four tenths (1·4) per cent of calcium sulphate (CaSO_4), nor more than five tenths (0·5) per cent of calcium and magnesium chlorides (CaCl_2 and MgCl_2) nor more than one tenth (0·1) per cent of matters insoluble in water.'

It is not necessary to recalculate the results given in the table and state them on a dry basis in order to see that a very large proportion of the sample described would not come up to the United States standard. Taking the figures as they stand in the table there are at least one-half of the samples which would not do so. It is enough for the present to call attention to this fact in order that manufacturers or furnishers may aim at supplying an article of a higher degree of purity. On the other hand it is satisfactory to note that many of the samples of Canadian origin fulfil the requirements of the United States Department of Agriculture.

Among the samples examined there are six which contain foreign substances insoluble in water, and which have apparently been added to prevent the particles of salt from caking together. It does not appear that this constitutes adulteration, for the Act provides that the usual definitions shall not apply, 'if any matter or ingredient not injurious to health has been added to the food or drug because the same is required for the production or preparation thereof as an article of commerce in a fit state for carriage or consumption, and not fraudulently to increase the bulk weight or measure of the food or drug, or to conceal the inferior quality thereof.' Nevertheless it would seem to be necessary that these brands should each, on selling, be labelled as a mixture.

I have the honour to be, sir,
Your obedient servant,

THOMAS MACFARLANE,
Chief Analyst.

RESULTS of Examining 87 Samples

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher.
				Quantity.	Price.	
1906.			<i>District of Nova Scotia— R. J. Waugh, Inspector.</i>		Cts.	
Aug. 28	Table Salt	27476	Jos. Scott, Halifax, N. S.	1 bag	10	Snow Flake Salt Co., New York.
" 28	"	27477	H. Wentzell & Co., Halifax, N. S.	1 "	5	Canadian Salt Co., Windsor, Ont.
" 31	"	27486	Wm. Law & Co., Yarmouth, N. S.	1 "	5	" " "
" 31	"	27487	Cain Bros., Yarmouth, N. S.	1 "	10	" " "
" 29	"	27481	J. J. Skerry, Halifax, N. S.	1 "	5	Grant Oxley, Halifax
			<i>District of P. E. Island— T. Moore, Inspector.</i>			
Aug. 23	Table Salt	28324	R. F. Maddigan, Charlottetown.	3 tins.	30	Dearborn & Co., St. John, N. B.
" 23	"	28325	John McKenna, Charlotte town.	3 bags	15	Thomson Bros., St. Clair, Michigan, U.S.
			<i>District of New Brunswick —J. C. Ferguson, Inspector.</i>			
Aug. 24	Table Salt	24273	Two Barkers, Ltd., 100 Princess St., St. John, N. B.	1 bag.	12	Canadian Salt Co., Ltd., Windsor, Ont.
" 24	"	24274	W. A. Simonds, 89 Union St., St. John, N. B.	3 pkgs	50	Diamond Crystal Salt Co., St. Clair, Michigan, U.S.
" 24	Salt, English Dairy..	24275	P. Nase & Son, Cor. Main and Bridge Sts., St John, N. B.	1 box.	20	Gaudy & Hallison, Packers and Furnishers, St. John, N. B.
" 24	Dairy Salt	24276	D. J. Purdy, 325 Main St., north end, St. John, N. B.	3 pts.	5	Imported from Liverpool, England.
" 24	Table Salt	24277	Charles F. Francis & Co., 141 Charlotte St., St. John, N. B.	3 pkgs	30	Heckers, Boston, Mass., U.S.A.
			<i>District of Quebec— C. E. Roy, Inspector.</i>			
Aug. 29	Table Salt, Windsor.	714	J. E. Potvin, Roberval, Que.	1 bag.	5	Côté et Boivin et Cie., Roberval, Que.
" 29	"	715	Jos. Brassard, Roberval, Que.	1 "	5	N. Rioux et Cie., Quebec..
" 30	"	717	Ant. Amante, Chicoutimi, Que.	1 "	5	Côté, Boivin, et Cie., Chicoutimi, Que.
" 30	Dairy Salt	719	J. A. Pelletier, Chicoutimi, Que.	1 "	5	N. Rioux et Cie., Quebec..
" 31	Brussels Salt	721	Nérée Simard, Bagotville, Que.	1 "	5	A. Joseph & Sons, Quebec.
Sept. 10	Dairy Salt	724	J. F. Saindon, Rivière du Loup, Fraserville, Que.	1 "		Not known
" 11	Table Salt	727	Abraham Caron, Rimouski, Que.	1 "	5	N. Turcotte et Cie., Quebec
" 14	Dairy Salt	733	M. Thibaudeau, Quebec.	1 "	5	D. Rattray & Son, Quebec.

of Common Salt.

Inspector's Report.	RESULTS OF ANALYSIS.						Number of Sample.	Remarks by the Analyst.
	Moisture.	Residue In-soluble in Water.	Calcium Sulphate.	Calcium Chloride.	Magnesium Chloride.	Sodium Chloride : by difference.		
	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		
The vendor is a wholesale dealer	0·40	0·00	0·72	0·65	0·07	98·16	27476	
" " " " " " " " " " " "	0·37	0·00	1·36	0·88	0·20	97·19	27477	
" " " " " " " " " " " "	0·55	0·00	0·91	0·24	0·00	98·30	27486	
Labelled Windsor fine table salt	0·36	0·00	1·15	0·53	0·00	97·96	27487	
Labelled peerless crystal salt for family and dairy use.	0·10	0·00	0·91	0·46	0·16	98·37	27481	
National table salt does not cake ; for the best and strongest dairy salt ask for Dearborn's premium dairy salt.	0·90	3·66	1·56	0·71	0·00	93·17	28324	The insoluble residue is starch.
Crown table and dairy salt	0·24	1·46	1·05	0·73	0·00	96·52	28325	
Labelled Windsor table salt ; purest and best.	0·58	0·00	1·42	0·27	0·00	97·73	24273	
Labelled scientifically made. Manufactured by Diamond Crystal Salt Co., St. Clair, Mich. ; prepared shaker salt for the table ; always dry.	0·24	1·33	0·54	0·75	0·00	97·14	24274	
Labelled English dairy salt	0·35	0·00	1·57	0·18	0·00	97·90	24275	
In bulk ; Liverpool fine salt ; table or dairy use.	0·43	0·00	1·77	0·30	0·00	97·50	24276	
Labelled Heckers' opal table salt ; in moisture proof paraffine bag, especially for ships and seaside use.	0·48	0·68	1·63	0·16	0·47	96·58	24277	
" " " " " " " " " " " "	0·24	0·00	0·64	0·59	0·53	98·00	714	
" " " " " " " " " " " "	0·48	0·28	1·70	0·30	0·49	96·75	715	
" " " " " " " " " " " "	0·20	0·00	1·02	0·24	0·00	98·54	717	
" " " " " " " " " " " "	0·32	0·00	1·84	1·00	0·00	96·84	719	
" " " " " " " " " " " "	0·44	0·00	1·46	0·32	0·00	97·78	721	
" " " " " " " " " " " "	0·32	0·00	1·66	0·71	0·17	97·14	724	
" " " " " " " " " " " "	0·32	0·00	1·26	0·48	0·24	97·70	727	
" " " " " " " " " " " "	0·30	0·00	1·84	0·76	0·17	96·93	733	

RESULTS of Examining 87 Samples

Date of Collection.	Nature of Sample.	Number of Samples.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher.
				Quantity.	Value.	
1906.			<i>District of St. Hyacinthe— J. C. Rouleau, Inspector.</i>		Cts.	
Aug. 20	Table Salt		468 Paul Landry, Sorel, Que.	1 bag.	5	The Canadian Salt Co., Windsor, Ont.
" 21	Dairy Salt		469 E. O. Lamarche, Berthier-ville, Que.	14 lb.		The Dominion Salt Agency, London, Ont.
" 21	Table Salt		470 Dlle. A. Racotte, L'Epiphanie, Que.	1 bag.	5	The Canadian Salt Co., Windsor, Ont.
" 21	Table Salt, 'Franklin'		471 C. Barette, Joliette, Que.	2 lbs.		Verret, Stewart & Co., Montreal.
" 21	Dairy Salt		472 L. A. Chartier, Joliette, Que.	2 lbs.		The Canadian Salt Co., Windsor, Ont.
" 22	Table Salt, 'Snow Flake.'		473 Bureau et Cie., Shawenegan Falls, Que.	1 box.	20	The Snow Flake Salt Co., New York.
" 24	Dairy Salt		474 W. Martel et Cie., Three Rivers, Que.	1 bag.	20	The Canadian Salt Co., Windsor, Ont.
" 25	Table Salt		475 J. B. St. Pierre, St. Hyacinthe, Que.	1 "	5	E. Benoit, St. Hyacinthe.
			<i>District of Montreal— J. J. Costigan, Inspector.</i>			
Aug. 28	Table Salt		31516 H. F. Barre, 4818 St. Catherine, Maisonneuve, Que.	3 bags	15	Canadian Salt Co., Windsor Ont.
" 28	Dairy Salt		31517 Joseph Dutois, 554 Notre Dame, Maisonneuve, Que.	3 lbs.	5	Hudson et Orsali, Montreal.
" 31	Salt		31518 Henry Russell, 2663 St. Catherine, Montreal.	2 lbs.	4	Hudon, Hebert et Cie., Montreal.
" 31	"		31519 English Provision Co., 681 St. Catherine, Montreal.	2 lbs.	2	Not known.
" 31	"		31520 Antoine St. Denis, St. Anne de Bellevue, Que.	1 bag.	5	Canadian Salt Co. Windsor, Ont.
Sept. 6	Dairy Salt		31521 W. P. Brennan, St. Therese de Blainville, Que.	3 lbs.	3	Verret, Stewart & Co., Montreal.
" 6	"		31522 H. J. Giles & Bro., Lachute, Que.	3 "	15	Canadian Salt Co., Windsor, Ont.
" 11	"		31523 McRae Bros., Richmond, Que.	3 "	15	" "
" 11	Coarse Salt		31524 J. Brown, Huntingdon, Que.	3 "	5	Not known.
" 11	Dairy Salt		31525 E. C. McCoy, Huntingdon, Que.	3 "	5	" "
			<i>District of Ottawa—A. E. Sanderson, Inspector.</i>			
Sept. 10	Table Salt		29364 Alex. Larose, 128 Queen St., west, Ottawa.	1 bag.	10	Canadian Salt Co., Ltd., Windsor, Ont.
" 11	"		29374 F. & J. Cattle, wholesale, Queen St., Ottawa.	1 "	10	" " "
" 11	"		29375 S. Daniels, O'Connor St., Ottawa.	1 "	10	" " "
" 11	Dairy Salt		29376 " " "	1 gall.	10	Bate & Sons, Ottawa.
" 11	Table Salt		29377 C. B. McLean, Bank St., Ottawa.	1 bag.	10	Canadian Salt Co., Ltd., Windsor, Ont.
" 11	"		29378 Geo. H. Hopper, Bank St., Ottawa.	1 "	10	" " "

of Common Salt—Continued.

Inspector's Report.	RESULTS OF ANALYSIS.						Number of Sample.	Remarks by the Analyst.
	Moisture.	Residue Insoluble in Water.	Calcium Sulphate.	Calcium Chloride.	Magnesium Chloride.	Sodium Chloride; by difference.		
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.		
Included in the Department sample...	0.32	0.00	0.78	0.63	0.00	98.27	468	
Taken out of a 200-lb. bag	0.22	0.00	0.81	0.81	0.00	98.16	469	
Same as No. 468	0.17	0.00	0.81	0.39	0.17	98.46	470	
.....	0.54	0.00	0.40	0.42	0.00	98.64	471	
Out of a 300-lb. barrel; factory filled ..	0.30	0.00	0.95	0.94	0.00	97.81	472	
.....	0.48	0.00	0.36	0.95	0.70	96.91	473	
.....	0.20	0.00	1.20	0.46	0.00	98.06	474	
.....	0.34	0.00	1.22	0.78	0.02	97.64	475	
Windsor table salt.	0.78	0.00	1.19	0.78	0.00	97.25	31516	
.....	0.64	0.68	1.15	0.85	0.00	96.68	31517	
Dairy salt	4.10	0.15	1.53	0.26	0.71	93.25	31518	
"	4.95	0.00	1.53	0.94	0.00	92.58	31519	
Table salt.	0.25	0.00	1.36	0.60	0.00	97.79	31520	
Put up in 50-lb. sacks. Stamped factory filled; Franklin, Liverpool.	0.40	1.15	1.63	0.46	0.00	97.36	31521	
Put up in 50-lb. sacks.	0.18	0.00	1.14	0.40	0.00	98.2	31522	
From 20-lb. bag.	0.20	0.00	1.02	0.41	0.11	98.26	31523	
.....	1.20	0.38	1.14	0.10	0.02	97.16	31524	
Factory filled; Liverpool	0.30	0.00	1.73	0.69	0.00	97.28	31525	
Labelled purest and best Windsor table salt.	0.16	0.00	1.22	0.91	0.18	97.53	29364	
" ..	0.32	0.00	1.16	0.32	0.23	97.97	29374	
" ..	0.32	0.00	1.02	0.34	0.14	98.18	29375	
.....	0.31	0.30	1.68	0.50	0.00	97.21	29376	
Labelled purest and best Windsor table salt.	0.22	0.00	1.19	0.82	0.20	97.57	29377	
" ..	0.20	0.00	1.43	0.18	0.00	98.19	29378	

RESULTS of Examining 87 Samples

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher.
				Quantity.	Price.	
1906.			<i>District of Ottawa—Con.</i>		Cts.	
Sept. 11	Table Salt	29379	A. J. Warnock, Bank St., Ottawa.	1 lbs.	10	A. J. Warnock, Bank St., Ottawa.
" 11	Dairy Salt	29380	P. D. Herbert, Bank St., Ottawa.	3 lbs.	10	Bate & Sons, Ottawa.
			<i>District of Kingston—J. Hogan, Inspector.</i>			
Aug. 21	Table Salt	29484	C. S. Litton, Alfred St., Kingston.	1 bag	5	Canadian Salt Co., Ltd., Windsor, Ont.
" 21	"	29487	W. J. Nesbitt, Johnston St., Kingston.	1 "	5	"
" 21	"	29492	H. A. Smith, Brock St., Kingston.	1 "	5	"
" 21	"	29496	John Gilbert, Gore St., Kingston.	1 "	5	"
" 21	"	29497	F. Clow, Earl St., Kingston	1 "	5	"
" 21	"	29498	R. Glover " " "	1 "	5	"
" 21	"	29499	L. Murphy, King St., Kingston.	1 "	5	"
" 21	"	29500	P. Wilmot, King St., Kingston.	1 "	5	"
			<i>District of Toronto—T. Kidd, Acting Inspector.</i>			
Sept. 4	Table Salt	30174	Abbott & Hogart, 4741 King St., East, Toronto.	1 bag.	5	Canadian Salt Co., Ltd., Windsor, Ont.
" 4	Salt	30176	J. F. Morrish, 237 Yonge St., Toronto.	2 bots.	5	Toronto Salt Works, Chas. Cooper, Manager.
" 5	"	30178	Wilber Eddy, 365½ Yonge St., Toronto.	1 lb.	10	Toronto Salt Works, Toronto.
" 6	Fine Salt	30184	Kelley Bros., 90 Queen St., Toronto.	1 tin.	10	James Lumbers, wholesale, Toronto.
" 6	Salt	30186	H. Wellstead, 185 King St., Toronto.	2 lbs.	2	Dominion Salt Agency, London, Ont., C. R. Cooper, Manager.
" 6	Crystal Salt	30188	Michie & Co., 7 King St., West, Toronto.	2 "	10	Diamond Salt Co., St. Clair, Michigan.
" 6	Acme Salt	30189	" " " "	3 "	10	Toronto Salt Works, 128 Adelaide St., East, Toronto.
" 7	Table Salt	30192	George Ratcliff, 864 Yonge St., Toronto.	5 "	10	Diamond Crystal Salt Co.
" 7	"	30193	J. A. Johnston, 775 Yonge St., Toronto.	3 "	10	Leroy, New York.
" 7	Acme Salt	0194	R. Higgins & Son, 802 and 804 Yonge St., Toronto.	3 "	10	Acme Salt Co., 128 Adelaide St., Toronto.
			<i>District of London—T. Kidd, Inspector.</i>			
Aug. 24	Table Salt	30153	Canadian Salt Co., Windsor, Ont.	3 lbs.	5	Vendors
" 24	Dairy Salt	30154	" " "	3 "	5	"
" 24	Packer's Salt	30155	" " "	3 "	5	"

of Common Salt—Continued.

Inspector's Report.	RESULTS OF ANALYSIS.						Number of Sample.	Remarks by the Analyst.
	Moisture.	Residue In-soluble in Water.	Calcium Sulphate.	Calcium Chloride.	Magnesium Chloride.	Sodium Chloride; by difference.		
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.		
Labelled purest and best Windsor table salt.	0.40	0.00	1.16	0.00	0.36	98.08	29379	
	0.48	0.34	1.53	0.10	0.07	97.48	29380	
	0.20	0.00	0.85	0.10	0.00	98.85	29484	
	0.22	0.00	0.81	0.39	0.00	98.58	29487	
	0.19	0.00	1.08	0.51	0.00	98.22	29492	
	0.36	0.00	0.61	0.10	0.00	98.93	29496	
	0.24	0.00	0.91	0.45	0.00	98.40	29497	
	0.26	0.00	1.46	0.44	0.00	97.84	29498	
	0.14	0.00	0.68	0.32	0.00	98.86	29499	
	0.10	0.00	0.61	0.54	0.00	98.75	29500	
	0.16	0.00	0.88	0.71	0.54	97.71	30174	
Said to be made in Windsor: called Windsor salt.	0.24	0.00	1.22	0.51	0.37	97.66	30176	
	1.36	0.00	0.61	0.50	0.00	97.53	30178	
Called Alvena salt; made by W. H. Flett, Liverpool, Eng.	0.60	0.00	1.26	0.08	0.28	97.78	30184	
Made in Sarnia, Ont.	0.22	1.51	1.56	0.16	0.08	96.47	30186	
	0.06	1.70	0.80	0.21	0.00	97.23	30188	
A fine table salt; called Acme salt.	0.44	1.52	1.08	0.75	0.18	96.03	30189	Insoluble residue starch.
	0.18	1.52	0.85	0.74	0.16	96.55	30192	
Branded pure salt; called Leroy brand; made in Leroy, N.Y.	0.50	1.05	1.40	0.10	0.07	96.88	30193	Starch in insoluble residue.
Branded pure and will not harden	0.50	1.54	1.50	0.0	0.00	96.46	30194	Insoluble residue is starch.
	2.20	0.00	1.36	0.88	0.00	95.56	30153	
	0.40	0.00	0.54	0.59	0.00	98.47	30154	
	0.78	0.00	1.25	0.65	0.00	97.32	30155	

RESULTS of Examining 87 Samples

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher.
				Quantity.	Value.	
1906.			<i>District of London—Con.</i>		Cts.	
" 25	Dairy Salt	30162	George A. Young, Chat-ham, Ont.	1 jar.	12	Western Salt Co., Moore-town, Ont.
" 25	"	30163	Edward O'Flaherty, Strat-ford, Ont.	3 lbs.	5	Dominion Salt Co., Lon-don, Ont.
" 27	Coarse Salt.....	30165	Western Canada Flour Mills Co., Goderich, Ont.	2 "	5	Vendors.....
" 27	Common Salt.....	30166	J. W. Irwin, Clinton, Ont.	2 "	5	Richard Ransford, Clinton, Ont.
" 28	Medium Fine Salt...	30169	W. E. Kerslake, flour and feed merchant, Seaforth, Ont.	2 "	5	Dominion Salt Co. Agency, London, Ont.
			<i>District of Manitoba—W. M. Conklin, Inspector.</i>			
Oct. 17	Salt, Cerebos.....	25799	K. McKenzie & Co., Win-nipeg.	1 lb.	10	Cerebos, Ltd., London, Eng.
" 17	Salt.....	25800	Campbell Bros. & Wilson, Winnipeg.	3 "		The Canadian Salt Co., Windsor, Ont.
" 17	Dairy Salt.....	25902	J. R. Cole, St. Boniface...	2½ "		" "
" 17	Salt.....	25901	Hicks Bros., Winnipeg...	3 "		" "
" 17	Dairy Salt.....	25903	T. Pelletier, St. Boniface...	2½ "		Port Huron Salt Co., Port Huron, Mich.
" 17	"	25904	J. L. Collin, St. Boniface...	2½ "		The Canadian Salt Co., Windsor, Ont.
			<i>District of Calgary—W. Fletcher Inspector.</i>			
Sept. 12	Table Salt.....	28688	G. F. & J. Galt, wholesale, Calgary.	3 sa'ks	15	Canadian Salt Co., Wind-sor, Ont.
" 12	"	28689	Codville, Smith Co., wholesale, Calgary.	3 "	15	Western Salt Co., Moore-town, Ont.
" 12	"	28690	Campbell, Wilson & Horne, wholesale, Calgary.	3 "	15	Canadian Salt Co., Wind-sor, Ont.
" 12	"	28691	A. Newham, retail, Cal-gary.	3 "	30	" "
			<i>District of British Columbia—E. B. Parkinson, In-spector.</i>			
Aug. 29	Table Salt.....	28175	Kelly, Douglas & Co., Ltd., wholesale, Vancouver, B.C.	3 sa'ks	5	Worcester Salt Co., New York, U.S.

of Common Salt.—*Continued.*

Inspector's Report.	RESULTS OF ANALYSIS.						Number of Sample.	Remarks by the Analyst.
	Moisture.	Residue In-soluble in Water.	Calcium Sulphate.	Calcium Chloride.	Magnesium Chloride.	Sodium Chloride; by difference.		
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.		
Called extra salt and put up in glass bottles.	0.20	1.90	0.91	0.84	0.00	96.15	30162	
Manufactured by Dominion Salt Co.	1.60	0.00	1.44	0.92	0.00	96.04	30163	
Manufactured by vendors.	4.64	0.00	1.52	0.84	0.00	93.00	30165	
" vendor	1.44	0.31	1.22	0.23	0.04	96.76	30166	
Made in Stapleton, near Clinton, Ont.	1.70	0.19	1.33	0.10	0.04	96.64	30169	
	0.52	6.40	0.14	0.00	0.00	91.50	25799	The chloride of sodium was estimated directly in this sample. The insoluble is mostly alumina and phosphate. There is an excess of sulphuric acid which is no doubt combined with alumina.
	0.12	0.00	0.71	0.49	0.00	98.68	25800	
	0.08	0.00	1.02	0.24	0.00	98.66	25902	
	0.64	0.10	1.93	0.33	0.00	97.00	25901	
	0.80	0.00	1.66	0.23	0.00	97.31	25903	
	0.30	0.00	1.08	0.19	0.00	98.43	25904	
	0.20	0.00	1.22	0.79	0.22	97.57	28688	
	0.28	0.00	0.81	0.13	0.43	98.35	28689	
	0.24	0.00	1.50	0.16	0.25	97.85	28690	
	0.18	0.00	1.20	0.74	0.12	97.67	28691	
Worcester salt is made in such a way that it is impossible for it to be unclean or impure. While, best of all, it can be sold to families at about the same price as any other, and is stronger than other kinds. It is really most economical.	0.44	0.00	1.88	0.76	0.16	96.76	28175	

RESULTS of Examining 87 Samples

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	COST.		Name and Address of Manufacturer or Furnisher.
				Quantity.	Value.	
1906.			<i>District of British Columbia</i> —Con.		Cts.	
Aug. 29	Dairy Salt	28178	The Hudson Bay Co., wholesale merchants, Vancouver, B.C.	3 lbs.	5	W. A. Anderson, agent Vancouver, B.C.
" 29	"	28179	E. W. Leeson Co., wholesale grocers, Vancouver, B.C.	2 "	10	Union Pacific Salt Co., San Francisco, Cal.
" 30	Table Salt	28182	The London Grocery, retail, Granville St., Vancouver, B.C.	3 "	10	The Canadian Salt Co., Windsor, Ont.
" 30	"	28184	J. F. May, retail, Pender St., Vancouver, B.C.	1 tin.	20	Cerebos, Ltd., Newcastle-on-Tyne and London.

of Common Salt—*Concluded.*

Inspector's Report.	RESULTS OF ANALYSIS.						Number of Sample.	Remarks by the Analyst.
	Moisture.	Residue Insoluble in Water.	Calcium Sulphate.	Calcium Chloride.	Magnesium Chloride.	Sodium Chloride; by difference.		
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.		
Australian dairy salt; did not know manufacturer. No brand or mark on sacks.	0.28	0.38	1.03	0.39	0.02	97.90	28178	
Union Pacific Salt Co., 'Eagle Brand,' Guaranteed dairy salt.	0.14	0.00	0.47	0.41	0.00	98.98	28179	
'Windsor Brand.' This salt consists of purely sifted natural crystals, and is infinitely superior to the ground salt heretofore sold. It is absolutely pure and will not cake like other salt in damp weather.	0.52	0.00	1.63	0.02	0.00	98.03	28182	
'Cerebos salt' brand contains among other ingredients, mixed phosphates, constituting the food strength of bran (usually thrown away), forming the substance of bone, brain and nerve.	0.80	5.82	0.96	0.00	0.00	92.20	28184	Total 90.78. This residue contains phosphate and 5.8% alumina, Na Cl. was determined directly in this sample.